



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, February 06, 2017

Major Developments

Update: Enterprise's 400,000 b/d Seaway Legacy Crude Pipeline Resumes Service February 5 after Leak in Texas January 30

Enterprise Products Partners said on Sunday it had completed the necessary repairs and resumed service on its 30-inch Seaway legacy line that was struck by a third-party contractor in Collin County, Texas on January 30. The company said crude oil began flowing Sunday morning and operations were normal. The Seaway Pipeline System, a joint venture between Enterprise and Enbridge Inc., is comprised of two 30-inch pipelines—a 400,000 b/d legacy line and a 450,000 b/d twin line—that both ship crude oil from the Cushing, Oklahoma storage hub to the Freeport, Texas area where a terminal and distribution network serves refineries in the Greater Houston area.

<http://seawaypipeline.com/news/>

Reuters, 18:25 February 5, 2017

Electricity

Power Restoration Continues in Washington February 6 after Snowstorm Hits February 4

A winter storm producing heavy snow and ice knocked out power to at least 116,661 customers in Washington since Saturday. Wind gusts of up to 55 mph were reported. Puget Sound Electric (PSE), the hardest hit utility with at least 100,305 customer outages, said the damage was primarily to distribution lines due to the steady accumulation of heavy wet snow weighing down trees and power lines. PSE said crews had restored power to customers only to see new outages as tree limbs give way under the weight of the snow. As of 3:30 p.m. EST on Monday, at least 102,819 customers remained without power. The table below shows total affected customers and the latest reported outages by utility. The "Affected" column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

Washington Customer Power Outages			
February 4 – 6, 2017			
Electric Utility	State	Affected	Latest Reported
Puget Sound Energy	WA	100,305	90,392
Seattle City Light	WA	11,666	7,737
Snohomish County PUD	WA	4,690	4,690
TOTAL*		116,661	102,819

*Total outages represent only electric utilities listed in this table.

Sources:

http://www.pse.com/accountsandservices/ServiceAlert/Pages/Outage-Map.aspx?WT.mc_id=1015

https://twitter.com/SEACityLight?ref_src=twsrc%5Egoogle%7Ctwcamp%5Enews%7Ctwgr%5Eauthor

<http://www.seattle.gov/light/sysstat/>

https://twitter.com/SnoPUD?ref_src=twsrc%5Egoogle%7Ctwcamp%5Enews%7Ctwgr%5Eauthor

<https://www.facebook.com/snopud>

<http://www.bellinghamherald.com/news/local/article130889464.html>

HECO Reports High Winds Knock Out Power to Over 13,000 Customers in Hawaii February 5

Hawaiian Electric Co (HECO) reported high winds knocked out power to at least 13,500 people in Hawaii Kai, Kailua, Kaneohe, and the North Shore, Hawaii on Sunday afternoon. The outages ranged from several momentary flickers to prolonged outage, according to HECO. As of 3:30 p.m. EST on Monday, 3,516 customers remained without power.

<https://www.hawaiianelectric.com/safety-and-outages/power-outages/outage-map>

<https://www.facebook.com/HawaiianElectric>

<http://www.hawaiinewsnow.com/story/34431274/thousands-without-power-in-windward-oahu>

Southern's 1,152 MW Vogtle Nuclear Unit 1 in Georgia Shut by February 4

The unit shut from full power due to equipment failure.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2017/20170206en.html>

DTE's 1,089 MW Fermi Nuclear Unit 2 in Michigan Reduced to 56 Percent by February 6

On the morning of February 5, the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

Update: Entergy's 1,207 MW Grand Gulf Nuclear Unit 1 in Mississippi Ramps Up to 59 Percent by February 6

On the morning of February 5, the unit was operating at 50 percent. The unit shut on September 9 due to the loss of the residual heat remover pump.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2017/>

AES's 175 MW Alamos Gas-fired Unit 1 in California Shut by February 5

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201702051515.html>

AES's 496 MW Redondo Gas-fired Unit 8 in California Shut by February 5

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201702051515.html>

Sacramento Municipal Utility District's 128 MW Solano Wind Unit in California Shut by February 5

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201702051515.html>

NRC Starts Special Inspection at APS's 4,209 MW Palo Verde Nuclear Plant in Arizona February 6

The Nuclear Regulatory Commission (NRC) on Monday started a special inspection at the Palo Verde Nuclear Generating Station west of Phoenix, Arizona after an emergency diesel generator failed during testing on December 15. An NRC spokesman said the inspection will last about a week to determine if any corrective actions are needed at the triple-reactor plant. The NRC requires that each of Palo Verde's three reactors have two emergency diesel generators that must be tested monthly to ensure operability.

Reuters, 15:31 February 6, 2017

Petroleum

PES Reports Restart of Units at Its 335,000 b/d Philadelphia, Pennsylvania Refinery January 30

Philadelphia Energy Solutions (PES) on January 30 reported the restart of a unit at the Point Breeze section of its Philadelphia, Pennsylvania refinery, according to a filing the state pollution regulator made public on Friday. On January 28, PES reported the restart of the 869 alkylation plant after maintenance activities at the refinery.

Reuters, 15:18 February 3, 2017

Valero Reports Flaring at Its 293,000 b/d Corpus Christi, Texas Refinery February 6

Valero Energy Corp reported operating conditions led to flaring at the West plant of its Corpus Christi, Texas refinery, according to a community information line.

Reuters, 11:00 February 6, 2017

Motiva Reports Process Incident, HCU Emissions at Its 603,000 b/d Port Arthur, Texas Refinery February 5

Motiva Enterprises reported a process incident that resulted in emissions from hydrocracker unit (HCU) 2 at its Port Arthur, Texas refinery, according to a filing with the Texas Commission on Environment Quality.

Reuters, 11:55 February 5, 2016

Update: Phillips 66 Says Dakota Access Pipeline to Start in Second Quarter 2017

The chief executive of Phillips 66 said on Friday he expects the Dakota Access Pipeline to start operations in the second quarter despite the project being in the midst of legal battles and a U.S. regulatory review. Phillips 66 has a 25 percent stake in the project led by Energy Transfer Partners LP. The pipeline was originally set to start in late 2016 but has faced intense protests and legal challenges from climate activists and Native Americans. On Wednesday, the U.S. Army said it had taken initial steps to “expeditiously review requests for approvals to construct and operate” the pipeline per an order issued by President Donald Trump, but the project’s easement has not yet been approved. It is unclear whether the second-quarter timeline would be met unless the easement is granted soon. The pipeline is expected to carry 470,000 b/d of crude oil from North Dakota’s Bakken shale play into Illinois, and is more than 95 percent complete, according to Phillips 66.

<http://finance.yahoo.com/news/dakota-access-pipeline-start-2nd-182845939.html>

Reuters, 23:45 February 3, 2017

Natural Gas

ExxonMobil Reports Cat-3 Unit Shut at Its 65 MMcf/d Dollarhide Gas Plant in Texas February 3

ExxonMobil reported the Cat-15 unit shut on three occurrences due an equipment failure. A heat trace was installed and the unit was restarted.

<http://www2.tceq.texas.gov/oce/eei/index.cfm?fuseaction=main.getDetails&target=251778>

Williams Partners Receives FERC Certificate Authorizing 1.7 Bcf/d Atlantic Sunrise Project in Eastern U.S. February 3

Williams Partners L.P. on Friday reported that the Federal Energy Regulatory Commission (FERC) issued a certificate of public convenience and necessity authorizing the Atlantic Sunrise expansion project—an expansion of the existing Transco natural gas pipeline to connect Marcellus gas supplies with markets in the Mid-Atlantic and Southeastern U.S. The project is designed to increase deliveries from the Transco system by 1.7 Bcf/d. Following the receipt of all necessary regulatory approvals, Williams Partners anticipates beginning construction on the mainline portion of the project facilities in mid-2017. The Atlantic Sunrise expansion project consists of approximately 200 miles of pipe, including about 185 miles of new natural gas pipeline in Pennsylvania, 11 miles of pipeline looping in Pennsylvania, 2.5 miles of pipeline replacements in Virginia and associated equipment and facilities. The project’s proposed aboveground facilities include two new compressor stations in Pennsylvania, additional compression and related modifications to three existing compressor stations in Pennsylvania and Maryland; two new meter stations and three new regulator stations in Pennsylvania; and minor modifications at existing aboveground facilities at various locations in Pennsylvania, Virginia, Maryland, North Carolina, and South Carolina to allow for bi-directional flow. Construction on the Central Penn Line, the greenfield portion of the project, is targeted to begin early in the third quarter of 2017, which would allow the full project capacity to be placed into service in mid-2018.

<http://investor.williams.com/press-release/williams/williams-partners-receives-ferc-certificate-authorizing-atlantic-sunrise-proj>

National Fuel Gas Receives FERC Approval for Northern Access Gas Pipeline Expansion in Pennsylvania, New York February 4

National Fuel Gas Company (NFG) and its subsidiaries on Saturday announced that FERC approved their application to construct the Northern Access 2016 gas pipeline expansion project. The project consists of approximately 97 miles of new pipeline to be constructed within McKean County, Pennsylvania, and the counties of Allegheny, Cattaraugus, Erie, New York, and approximately two miles of new pipeline to be constructed in Niagara County, New York. The Project also includes the addition of compression facilities at an existing compressor station in Erie County and construction of a new compressor station and a new dehydration facility, both in Niagara County. The pipeline will be integrated with the existing National Fuel pipeline network, providing for increased reliability to the Western New York natural gas markets. Once completed, the Northern Access Project will provide in total 490 MMcf/d of incremental firm transportation capacity on Supply. Of the Project capacity, 140 MMcf/d will be delivered to the Tennessee Gas Pipeline 200 Line, serving New York state and New England markets, and the remaining 350 MMcf/d of incremental firm transportation capacity will be delivered to Empire's pipeline system, providing access to New York State, Canadian, Northeast and Midwest U.S. markets. The company said it was on track for an in-service date during the second quarter of 2018.

[http://www.natfuel.com/news/2-4-](http://www.natfuel.com/news/2-4-17%20FERC%20Approves%20Northern%20Access%20Project%20FINAL262017-105032.pdf)

[17%20FERC%20Approves%20Northern%20Access%20Project%20FINAL262017-105032.pdf](http://www.natfuel.com/news/2-4-17%20FERC%20Approves%20Northern%20Access%20Project%20FINAL262017-105032.pdf)

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices February 6, 2017			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	52.96	52.58	30.81
NATURAL GAS Henry Hub \$/Million Btu	3.00	3.29	2.05

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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